

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-26 (Canceled).

Claim 27 (Previously Presented): A transport stream reproduction device for reproducing the transport stream recorded in aligned units on the recording medium, comprising:

a reproduction section;
a calculating section configured to calculate an address corresponding to a designated reproduction start position, and, to calculate an address corresponding to entry points recorded in said transport packet nearest said designated reproduction start position; and
a controller configured to acquire an entry point map from said recording medium, compare a PTS listed in said entry point map with a designated reproduction start position, and search an entry point nearest to said specified reproduction start position, and to control said reproduction section to read-out transport packets of said transport stream from the address nearest said specified reproduction start position in said recording medium, wherein said aligned units are comprised of a predetermined specified number of collected source packets attached with headers to constitute said transport stream.

Claim 28 (Canceled).

Claim 29 (Previously Presented): A transport stream reproduction device according to claim 27, further comprising:

a deletion section configured to convert a designated deletion range into said aligned unit data region and to delete said converted aligned units recorded on said transport stream.

Claim 30 (Previously Presented): A transport stream reproduction method for a transport stream reproduction device for reproducing transport streams recorded in aligned units recorded on a recording medium comprising the steps of:

calculating an address corresponding to a designated reproduction start position, and,
calculating an address corresponding to entry points recorded in said transport packet; and,

acquiring an entry point map from said recording medium,

comparing a PTS listed in said entry point map with a designated reproduction start position,

searching an entry point nearest to said specified reproduction start position in said recording medium, and

controlling said reproduction section so that read-out of transport packets of said transport stream start from said nearest entry point,

wherein said aligned units comprises a predetermined specified number of collected source packets attached with headers to constitute said transport stream.

Claims 31-38 (Canceled).

Claim 39 (Previously Presented): A transport stream reproduction device for reproducing the transport stream recorded in aligned units on the recording medium, comprising:

means for acquiring an entry point map from said recording medium,

means for comparing the PTS listed in said entry point map with a designated reproduction start position,

means for searching the entry point adjacent to said specified reproduction start position, and,

means for controlling said reproduction section so that read-out of transport packets of said transport stream start from the nearest entry point of said designated reproduction start position of said recording medium; and,

wherein the data length of said aligned units is equivalent to a multiple of the sector length of said data recording medium.

Claim 40 (Canceled).

Claim 41 (Original): A transport stream reproduction device according to claim 39, further comprising:

conversion means for converting a specified erase range into data area for said aligned units; and

deletion means for deleting said transport stream recorded in said data area for said aligned units converted by said conversion means.

Claims 42-47 (Canceled).